

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Hurricane Sandy - Polrep/Sitrep



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region II**

Subject: **SITREP #19**
Operations Continue
Hurricane Sandy

Edison, NJ
Latitude: 40.4494047 Longitude: -74.4379073

To: Michael Hoppe, USEPA Region 02, ERRD-RPB

Thru: REOC Deputy Regional Incident Coordinators,
Christopher Jimenez (NJ)
Laura Casillas (NJ)
Anne Kelly (NY)
Neil Norrell (NY)

From: REOC Situation Unit Leader,
Keith Glenn (Day Operations, outgoing)
Josie Clark (Day Operations, incoming)
Gary Newhart (Night Operations)

Date: 11/15/2012

Reporting Period: 0700 11/15/2012 thru 1900 11/15/2012

Executive Summary

EXECUTIVE SUMMARY

Operations continued throughout the declared areas of New Jersey and New York as EPA response efforts and segregation of hazardous materials increased.

In NJ, assessment teams deployed to the Navasink River with Monmouth County HazMat officials to survey coastal towns. Materials were identified, unfortunately most were in inaccessible areas. Response teams, however, collected orphaned containers throughout Hudson County following reports by the USCG. EPA also commenced construction on the HHW staging pad located at the Blue Claws Stadium in Lakewood, Ocean County.

The air monitoring network established through ERT Viper systems for PVSC is operational and can be viewed in real-time. A delay has occurred in the centrifuge operation and it will begin operating this weekend. At MCUA, cleaning of the process equipment commenced and EPA contractors are assisting in the washing of critical infrastructure.

HHW sorting operations continued at Fresh Kills and Riis Park locations in NYC. Activities at Father Capodanno Park have concluded and EPA has shifted efforts to Cedar Grove, also in Staten Island. EPA deployed personnel to the Port of Albany/Coeysman to initiate the construction of a staging area at this debris transfer location. HHW collection continued in Suffolk and Nassau Counties as usual.

Wastewater Assessment Teams conducted inspections of the Yonkers and Rockaway treatment facilities. Although impacted by Hurricane Sandy, no assistance is currently being requested. Both facilities are operational and processing through normal events.

An EPA water vessel (Boston Whaler) collected samples from the East Rockaway and Reynolds Channel. Focus was placed in areas where effluent discharge from wastewater treatment plants may have sent raw sewage into the waterways.

EPA continued to participate in debris management meetings with NYSDEC, ACE, and NYC officials. EPA learned that there was a deployment of 4 air curtain incinerators to Floyd Bennet Field, a park in Brooklyn. Vegetative debris is scheduled to be burned at this location in efforts to remove the debris in an expeditious manner. EPA is attempting to intercept the operation by providing avenues for recycling the material, chipping debris, composting, and additional alternatives.

Discussions continued regarding the sand in the Rockaways. Although EPA is collecting samples of the sand in the next operational period, FEMA has already contracted with a firm to dispose of the material in a facility located in PA. This would limit the amount of material which can be transported to the Mariners Marsh Park, a Brownfields project. EPA is pressuring to have the movement of material delayed until samples are analyzed, allowing for the reuse of sand at the Park.

Assessments of Superfund Sites in the declared counties of NJ and NY have been completed by OSCs and RPMs. Only one Superfund Site was determined to be a potential threat; the Removal Program will take appropriate action.

1. Introduction

1.1 Background

Site Number:	Contract Number:
D.O. Number:	Action Memo Date:
Response Authority: Stafford Act	Response Type: Emergency
Response Lead: FEMA	Incident Category: Removal Action
NPL Status: Non NPL	Operable Unit:
Mobilization Date: 10/29/2012	Start Date: 10/29/2012
Demob Date:	Completion Date:
CERCLIS ID:	RCRIS ID:

ERNS No.:**State Notification:****1.1.1 Incident Category**

Hurricane Disaster Response

1.1.2 Site Description**1.1.2.1 Location**

Ten counties were originally declared eligible for Public Assistance in New Jersey: Atlantic, Cape May, Essex, Hudson, Middlesex, Monmouth, Ocean, Somerset, Bergen, and Union. On November 5, 2012 FEMA declared the remaining New Jersey counties eligible for public assistance: Cumberland, Salem, Gloucester, Camden, Burlington, Mercer, Hunterdon, Warren, Morris, Sussex, and Passaic. Nine counties have been declared as eligible for Public Assistance in New York State: Bronx, Kings, Nassau, New York, Queens, Richmond, Rockland, Westchester, and Suffolk.

1.1.2.2 Description of Threat

Releases of oil and chemicals as a direct result of high winds and flooding. Damage to facilities located within the impacted area have the potential to transport containers, waste, and process equipment that may contain hazardous materials. High winds from hurricane Sandy have caused transformer poles to fall and substations to catch fire and cause additional hazards throughout communities. Storm surges along the coast line and inner waterways have moved sand, sediments, and sludge into residential and business properties. Several coastal communities have reported widespread devastation.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

Preliminary Removal Assessments and Site Inspections were not formally conducted at all EPA sites. Project managers took numerous steps at Superfund Sites in efforts to prepare for Hurricane Sandy. Damage assessments continue at EPA Sites as waters recede, power is restored, and managers are able to access their sites and regulated facilities.

1.2 Incident Objectives**Incident Objectives**

- 1) The health and safety of our responders is the highest priority.
- 2) Ensure health and safety of the public by conducting environmental assessments, controlling hazards, and operating in accordance with the approved site safety and quality assurance sampling plans.
- 3) Assess needs and support the sustained operation of public drinking water facilities impacted by the storm. This is the agency's current operational priority. Assess needs and support the sustained operation of waste water facilities impacted by the storm.
- 4) Conduct aggressive air, ground and water recon and investigation activities to identify active and potential pollution targets, as well as confirm extent of hurricane damage to oil and chemical facilities and critical infrastructure.
- 5) Rapidly control, contain and mitigate all sources of pollution threatening or impacting public health and the environment, to include the navigable waterways. Coordinate actions with the States.
- 6) Manage a coordinated response effort with local, state, federal and industry partners and ensure adherence to policies, practices and plans of each. Assure that all stakeholders are informed of response activities and enhance proactive media and community outreach programs.
- 7) Manage a financial system that ensures accurate, efficient and effective accounting of resources continually monitor ESF #10 funds and adjust operations as needed.
- 8) Pursue and deploy any resources needed to support and sustain agency missions.

1.3 Critical Resource Needs**Critical Resource Needs**

Critical Needs to maintain operational status and projected operational goals are being coordinated through the Resource Unit Leader. EPA is working closely with local, state, and federal partners to coordinate critical needs of facilities that have been impacted. The majority of needs from drinking water and wastewater facilities are the supply of fuel to maintain and operating status. Although a function of Emergency Support Function #3, EPA was requested to assist in support these needs. Liaison Officers in the State EOCs and the FEMA RRCC continue to coordinate with other ESF partners on addressing these needs.

1.4 Strategic Considerations**Strategic Considerations**

- 1) Develop work products, deliver necessary briefings, and arrange field oversight to ensure the health and safety of responders.
- 2) Ensure staffing adjustments meet current operational needs.
- 3) Provide direct work and/or technical support to collect HHW.
- 4) Provide technical assistance to local and State governments on debris removal, including options to maximize recycling and composting.
- 5) Coordinate efforts with States to identify needs and resolve issues.
- 6) The PVSC and MUCA waste water facility responses are a high priority.
- 7) Assure timely and accurate data management to enhance the operational function of the ESF #10 response effort with a high emphasis on drinking water and waste water reporting.
- 8) Accurately document ESF #10 response actions and ensure it is captured in appropriate official repositories.
- 9) Support the regional and national public affairs needs to provide effective messaging.

2. Current Activities

2.1 Operations Section

CURRENT ACTIVITIES:

DIVISION NEW JERSEY

Eight counties were initially declared eligible for Public Assistance in New Jersey. Two additional counties, Cumberland and Hudson, were added on 3 November, 2012. On 5 November, 2012 FEMA declared all remaining New Jersey counties eligible for Public Assistance.

NEW JERSEY RESPONSE ACTIONS

Field operations were focused on providing continued support by the Waste Water Assessment Teams to two large waste water treatment facilities in Middlesex and Essex Counties; Hazmat Assessments in Union, Ocean and Monmouth Counties; Mitigation Support in Ocean County; Response Support in Hudson County; and Household Hazardous Waste Collection Support in Ocean and Cumberland Counties.

Hazmat Assessment Team (NJ)

Monmouth/Ocean County

The team rode with Monmouth County Health Department Hazardous Materials Unit to assess the debris line along the Navesink River where accessible from the south bank. The team stopped at 11 locations as far east as the Oceanic Bridge. The marinas along the way were visited. A marina in Red Bank was observed to have a release of oily material into the soil with a migration pathway toward the Navesink River. MCHD contacted NJDEP for a case # and spoke with the owner of the marina. The river has a number of sunken boats however no hazardous material was observed in debris along the south bank of the river. The team observed a number of potential hazmat items from the south bank of the river using binoculars since the north bank is private access. The condition or content of any of these items could not be verified without access to the north bank from the water. Team also met with Monmouth County to discuss the potential of locating a hazmat staging area in the county but a conclusive decision has yet to have been made.

Hazmat Mitigation Team (NJ)

Hazmat Mitigation Team was deployed to First Energy Park (Blue Claws Stadium) at Cedar Bridge Ave (Route 528) & New Hampshire Ave in Lakewood, NJ (Ocean County) where an HHW pad was to be constructed in the parking lot. Pad construction was completed before departure and has begun to receive hazardous materials.

Hazmat Response Team (NJ)

Hazmat Response Team conducted assessment activities in Union County and response in Hudson County during this operational period. A summary of their activities is provided below.

Union County

The team visited the Chemical Control Corp. Superfund Site in Elizabeth, NJ to assess the condition of the property post-Hurricane Sandy. There was no sign of any damage to the property or any issues of concern with the property due to the storm.

Hudson County

There were 18 of 36 targets visited in Bayonne, NJ which had previously been identified through assessment efforts as items in need of recovery. Of the 18 targets visited, 3 items were recovered (two 55-gallon poly drums and one 5-gallon pail), 3 items were located but not recovered due to the fact they were not recoverable items (i.e. 55 gallon poly drum utilized by the City Park as a trash can). Twelve targets were not found and are assumed to have either washed out with the tide or have been recovered by another team. Two additional targets for collection were identified and collected (one 5- gallon kerosene container and two blocks of asphalt roofing tar). Orphaned containers that were collected by the team were transported by ERRS to the staging area in Lakewood, NJ.

Water Recon Assessment Teams (NJ)

Teams conducted assessments of multiple WTP facilities over the phone:

Southeast Morris County MUA/NJ1424001 (Morris County)
19 Saddle Rd
Cedar Knolls, NJ

The assessment was conducted over the phone. The facility manager could not be reached at that time however he relayed a message through his secretary, Alexis, that the plant did not lose power during or after the storm and operations continued as normal throughout that time. The facility did not sustain damage. The treatment system is fully operational and meeting all requirements. The system never lost pressure.

Kinnelon Water Dept/ NJ1415002 (Morris County)
130 Kinnelon Rd
Kinnelon, NJ

The assessment was conducted over the phone. The facility manager could not be reached at that time, however he relayed a message through his secretary, Leigh, that the plant went seamlessly from grid power, to generator and back again once the power was restored. Electric service has been fully restored. The facility did not sustain damage. The treatment system is fully operational and meeting all requirements. The system never lost pressure. No technical assistance is needed.

Rockaway Boro Water Dept./NJ1434001 (Morris County)
1 East Main St
Rockaway, NJ

The assessment was conducted over the phone. Andrew Dujack, director, returned EPA's call from the field. The plant worked off of generators for six days before power was fully restored on 11/3. Fuel looked to be an issue, but their supplier pulled through. The facility did not sustain flood or wind damage. The treatment system is fully operational and meeting all requirements. The system never lost pressure. No technical assistance is needed and they will most likely not seek aid through FEMA.

Denville Twp/ NJ1408001 (Morris County)
140 Morris Ave
Denville, NJ

The assessment was conducted over the phone. Joseph Lowell stated the plant was without power for five days. During this time they ran off generators and fuel was not an issue. Electric service has been fully restored. The facility did not sustain damage. The treatment system is fully operational and meeting all requirements. The system never lost pressure. No technical assistance is needed and they will most likely not seek aid through FEMA.

Boonton Town DPW/ NJ1401001 (Morris County)
124 Main St
Boonton, NJ

The assessment was conducted over the phone. Michael Petonak stated the plant was without power for over a week. During this time they ran off generators and fuel became an issue. To conserve fuel they shut down two of the systems, which did not disrupt service. They had to purchase gas through other sources. NJDEP called twice a day to check on operations and sent fuel. 24 hours from when the fuel would run out, electric service was fully restored. The facility did not sustain flood damage. The treatment system is fully operational and meeting all requirements. The system never lost pressure.

No technical assistance is needed at this time. Will most likely file for FEMA aid to pay for time and resources used to keep plant running.

Roosevelt Water Dept/ NJ1341001 (Morris County)
33 N. Rochdale Ave
Roosevelt, NJ

The assessment was conducted over the phone. Toby Moore state the plant was without power until Friday, 11/9. During this time they ran off generators and fuel did become an issue, but was resolved. The system pressure dropped, but did not fall below 32psi. A Boil Water Notice was not needed. Electric service has been fully restored. The facility did not sustain damage. The treatment system is fully operational and meeting all requirements. No technical assistance is needed. The facility already applied for federal aid through FEMA and received a response.

Ramsey Water Department/ NJ0248001 (Bergen County)
Ramsey, NJ

The assessment was conducted via phone with Mark Maden, assistant operator. Tree damage to area resulted in power outages. The facility ran off their back-up generator until power was restored. The facility did not sustain damage. No loss of pressure. The treatment system is fully operational and meeting all requirements. No technical assistance is needed.

Fair Lawn Water Dept/ NJ0217001 (Bergen County)
Fairlawn, NJ

Assessment conducted via phone with Steve in Engineering. Tree damage to the area resulted in power outages. Plant was running off of their back-up diesel generator until power was restored. The facility did not sustain damage. No loss of pressure. The treatment system is fully operational and meeting all requirements. No technical assistance is needed.

Waldwick Water Dept/ NJ0264001 (Bergen County)
Waldwick, NJ

Assessment conducted via phone with Niel Moses, operator. Tree damage to the area resulted in power outages. The facility ran off their back-up diesel generator until power was restored. Diesel was in short supply. The facility did not sustain damage. No loss of pressure. The treatment system is fully operational and meeting all requirements. No technical assistance is needed.

High Bridge Water Dept/ NJ1014001 (Hunterdon County)
High Bridge Boro, NJ

Assessment conducted via phone with Mike Hann, director/operator. Tree damage to area resulted in power outages. The facility ran off their back-up diesel generator until power was restored. The facility had some trouble getting diesel, but was able to maintain operations. The facility did not sustain damage. No loss of pressure. The treatment system is fully operational and meeting all requirements. No technical assistance is needed.

Middlesex Water Company/ NJ1225001 (Middlesex County)
100 Fairview Ave
Edison, NJ

The assessment was conducted via phone. The main treatment plant has electric power and is operational. Several of their well fields are running off of back-up generators and will continue to until electric service is fully restored. The plant did have a loss in pressure due to failure of the back-up generator for the surface intact to the main plant. As a result, a Boil Water Notice was issued on 11/5. The BWN was lifted on 11/7 based on lab results. The facility did not sustain damage. The treatment system is fully operational and meeting all requirements. No technical assistance is needed.

Mountain Shore Water Supply / NJ1414008 (Morris County)
Jefferson, NJ

The facility never lost electrical power. The treatment system is fully operational and meeting all requirements. No technical assistance is needed.

Mountain Shore Water Supply / NJ1414009 (Morris County)
Jefferson, NJ

The facility never lost electrical power. The treatment system is fully operational and meeting all requirements. No technical assistance is needed.

Orphan Container Staging Areas

Vineland Waste Collection Station (Temporary) – ERRS crews continue to transport collected orphan containers to the facility in Vineland, NJ. This collection pad is being used temporarily until EPA and NJDEP can finalize a more permanent location.

NJ Incident Summary Table

Below is a summary table for NJ Incident Reports as reported by the National Response Center and calls received in the REOC. This information is current as of 1400 hours on 11/15/2012. The table includes the materials involved.

New Jersey Incidents			
Number of Notifications to EPA			
Material Type	Reporting Operational Period	Previous Totals	Grand Totals
Oil	3	170	173
Other	0	7	7
Haz	0	3	3
Operational Period Total	3	180	183

Wastewater Facilities (NJ)

Waste Water Assessment Teams provided continued support to two large water treatment plants and conducted field assessments of two waste water treatment plants during the 15 November, 2012 operational period. A summary of their assessments and support activities is provided by facility below.

Passaic Valley Sewerage Commission (PVSC)

On November 15, a press event was held which included a limited tour of the recovering PVSC facility. PVSC continues site cleanup with the goal of restoring dewatering and secondary treatment capabilities. The FEMA Public Assistance Coordinator was on-site to assist PVSC with initiating the cost reimbursement documentation process for hurricane related damages. PVSC has scheduled the delivery of up to 100,000 gallons of activated sludge from MCUA beginning on November 16, in order to re-populate the microbe population in preparation for the resumption of sludge processing operations. ERRS continues night-time power-washing operations in coordination with PVSC to augment PVSCs cleanout of the impacted tunnels and basements.

An OSHA representative conducted an inspection in coordination with the REOC. The start-up of approximately 5 of the 10 planned mobile dewatering centrifuges has been re-scheduled for Saturday, November 17.

The mobile dewatering centrifuges are expected to operate for a period of 2-3 weeks during which time PVSC will repair and re-energize their in-house centrifuges and Zimpro dewatering systems. ERT & SERAS continue to provide support for the perimeter and off-site air sampling stations installed in preparation for the possibility of fugitive hydrogen sulfide (H₂S) emissions during centrifugal dewatering operations.

This air monitoring program is being implemented to ensure that the surrounding communities are not being adversely impacted. All air monitoring results will be forwarded to NJDEP for public dissemination.

On November 15, 2012, USEPA ERT Henry Gerard along with SERAS returned to the PVSC facility. Upon arrival, monitor 197 (Fenceline NW) was addressed. The monitor had been down most of the evening. Upon resolving the issue, Henry Gerard met with OSC Don Graham and Region 2 Branch Chief, Dore LaPosta and discussed the event (10 ppb reading between 0500-0700). To determine the possible source, the area on top of the sludge tank closest to the monitor in question was tested and the reading from the test instrument indicated that it is a possible source of the event. ERT and SERAS visited the Off-Site monitors for inspection/maintenance and installation of additional data loggers for back-up data collection. At 1500, EPA was notified that the centrifuge is not going to start until Saturday (11/17/12). As of 1530 ET, all ten (10) monitors are collecting data.

Middlesex County Utility Authority

On 15 November, 2012 the water assessment team continued to provide support to the MCUA. An ERRS crew began cleaning at the facility (specifically the Pump House). RST provided air monitoring support during this cleanup operation. No further information was available at the time of the report.

New Jersey Hazardous Waste Summary 11/15/2012						Operational Period:		
Location	Drums	Propane Tanks	Cylinders	Containers (6-54 Gal)	Other (Large)	Small Containers (<5 gal)	Op-Period Totals	Location Cumulative Totals
Vineland Container Storage Facility	0	0	0	0	0	0	0	24
Daily Total	0							
Cumulative Total	24							

DIVISION NEW YORK

Nine counties have been declared as eligible for Public Assistance in New York State: Bronx, Kings, Nassau, New York, Queens, Richmond, Rockland, Suffolk, and Westchester.

- EPA continues to support USCG efforts at the Staten Island EOC.
- Recovery teams continued to collect and stage HHW at locations in Staten Island, Queens, Nassau County, and Suffolk County.
- USACE operations were completed at the Father Capodanno and Fresh Kills Plant #2 debris piles. USACE operations continued at Jacob Riis Park and Fresh Kills Plant #1.
- EPA conducted two wastewater treatment plant inspections in Queens and Yonkers.

NEW YORK RESPONSE ACTIONS

New York City

Assessment Teams (NY)

In Staten Island, eight EPA Contractors and one OSC were onsite to assist USCG. EPA continues to coordinate with USCG, NJDEP, NYSDEC, and

NYCDEP.

NYC Debris Management Plan

EPA continued to participate in debris management meetings with NYSDEC, ACE, and NYC officials. EPA learned that there was a deployment of 4 air curtain incinerators to Floyd Bennet Field, a park in Brooklyn. Vegetative debris is scheduled to be burned at this location in efforts to remove the debris in an expeditious manner. EPA is attempting to intercept the operation by providing avenues for recycling the material, chipping debris, composting, and additional alternatives.

EPA, NYC Department of Sanitation, USACE, and other officials continue to meet and discuss the management of debris from recovery efforts associated with Hurricane Sandy. Although EPA has been requested to manage HHW and orphaned containers at staging areas in NYC, USACE is in charge of the overall debris management. To date, USACE has utilized four locations to collect and stage debris for transportation and disposal: Jacob Riis Park in Queens and Father Capodanno, Cedar Grove, and Fresh Kills Landfill Plants #1 and #2 in Staten Island. The final disposal location for all debris handled by USACE is the Seneca Meadows Landfill in Waterloo, NY and the Grows North Landfill in Morrisville, PA.

Following assessments of the Seneca Meadows Landfill, it was determined that the facility is adequate to handle the material from NYC. The facility is technologically capable to recycle and properly dispose of material. No EPA assistance will be necessary at this facility.

EPA also inspected the Port of Albany facility, including the SIMS recycling facility in Albany. It was determined that EPA would establish a segregation and sorting area for HHW.

Jacob Riis Park (Queens)

HHW continued to be collected, segregated, and staged for transportation and disposal at the Jacob Riis HHW collection site. The NYC Department of Sanitation and USACE continued to transport debris to the Seneca Meadows Landfill by truck. Narrow roadways in conjunction with the transportation and disposal operations continued to result in disruptions to HHW collection. It is estimated that approximately 3,000 cubic yards of debris material was sifted for HHW.

In addition to reporters visiting the site throughout the day for photographs of site operations, President Obama aerially surveyed the operation.

Father Capodanno (Staten Island)

Operations had ceased at the Father Capodanno facility and crews were remobilizing and moving equipment to the Cedar Grove debris pile. The visit to Staten Island by President Obama resulted in barricaded road closures and delayed the equipment transfer between sites. However, by the end of the day the equipment transfer had occurred.

Cedar Grove (Staten Island)

The Cedar Grove debris area is located on a vacant lot in a residential community less than one mile from the Father Capodanno site. HHW collection and segregation operations commenced utilizing limited equipment that was able to be remobilized from the Father Capodanno prior to Staten Island road closures.

Fresh Kills Landfill (Staten Island)

HHW collection from existing comingled debris piles was completed at Plant #1 as of 13:00 on 11/13/12 and from Plant #2 as of 13:00 on 11/15/12. USACE had completed relocation of all debris from Plant #2 to Plant #1 for loading and transfer by barge to the Port of Albany. From the Port of Albany, waste is transported via truck to the Seneca Meadows Landfill.

Staging and segregation of HHW continued in the NYC Department of Sanitation indoor garage building at Plant #2, utilizing containment cells consisting of poly sheeting and absorbent boom. A generator will continue to supply power to portable light towers until electric service is restored at the facility. Plant #2 continued to receive orphan containers from all five NYC boroughs for characterization and disposal as well as HHW materials from the Father Capodanno for inclusion in Fresh Kills disposal packaging. NYCDEP is also expected to bring orphan containers to Plant #2 for disposal. As per the DRIC NY OPS, orphan containers from NYCDEP should be coordinated through the NYSDEC liaison.

Rockaways Beach Sand Reuse at the Mariner's Beach Park

Due to Hurricane Sandy, a large volume of beach sand washed into the Rockaways community, creating significant sand disposal problems. The City of New York has proposed to reuse some of the sand as capping material for the Mariner's Marsh Park cleanup project. The City intends to use EPA brownfields cleanup grant funds to truck compliant sand to Mariner's Marsh from the Rockaways. This would allow the City to build more park area, between 2.5 to 5 acres instead of 0.4 acres as originally planned. The City has submitted a beach sand reuse plan to NYSDEC for review and approval.

As of 11/15/12, EPA has provided comments to the City on the draft revised Analysis of Brownfields Cleanup Alternatives plan (ABCA), with a technical follow-up meeting to be scheduled. EPA and the City will collect sand samples on 11/16/12 at Jacob Riis Park at the rate of one, five-point composite sample per 500 cubic yards of sand. EPA has been in contact with FEMA to coordinate the potential change in transportation and final disposition of the sand.

Nassau County

EPA recovery teams continued curbside HHW recovery in Long Beach with collection and segregation at the staging pad in Lido Beach. Curbside collection was anticipated to transition to communities north of Long Beach on 11/16/12. EPA also continued to support NYSDEC officials responding to reports of orphan containers, primarily along the waterfront.

Two locations north of Sunrise Highway, the Merrick Transfer Station and a municipal parking lot in Baldwin Park, have been evaluated for use as HHW staging areas. Both locations were recommended by NYSDEC and final approvals to utilize the locations were anticipated by 11/16/12.

Suffolk County

EPA recovery teams continued curbside HHW recovery in Riverhead, Babylon, Patchogue, Islip, and Mastic Beach. Assessment teams continued to respond to NRC incident reports.

NY Incident Summary Table

Below is a summary table for NY Incident Reports as reported by the National Response Center and calls received in the REOC. This information is current as of 1400 hours on 11/15/2012. The table includes the materials involved.

	New York Incidents
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Material Type	Number of Notifications to EPA		
	Reporting Operational Period	Previous Totals	Grand Totals
Oil	0	119	119
Other	0	16	16
Haz	0	0	0
Operational Period Total	0	135	135

Wastewater/Drinking Water Information (NY)

Rockaway Wastewater Treatment Plant

EPA visited the Rockaway Wastewater Treatment Plant in Queens and met with NYCDEP and the operator. Electric service was restored to the facility on 11/11/12, replacing supply from backup generators. Damage to the facility tunnel areas resulted from flooding and is currently being cleaned. New equipment has been installed and the facility is running as expected, with complete restoration anticipated within the week. The plant did not request EPA support at this time.

Yonkers Wastewater Treatment Plant

EPA conducted an inspection of the Yonkers Wastewater Treatment Plant. EPA met with the West Chester County Deputy Commissioner and the Plant Superintendent. The plant was heavily flooded during the storm and sustained some damage. The plant was operating with electric service and was not conducting any bypasses. The plant was operating with 70% BOD and the plant plans to increase output to 85% BOD in the near future.

A large polymer storage tank sustained damage and a release of polymer occurred inside one of the facility buildings. A contractor will be at the facility on 11/19/12 to conduct cleanup operations and properly dispose of the polymer. The plant will provide a copy of the waste manifest to EPA upon completion of the cleanup.

New York Hazardous Waste Summary						Operational Period:		
11/15/2012								
Location	Drums	Propane Tanks	Cylinders	Containers (6-54 Gal)	Other (Large)	Small Containers (<5 gal)	Op-Period Totals	Location Cumulative Totals
Cedar Grove Staging Area	0	3	2	0	0	97	102	102
Fr. Capadano Park, Staten Island	0	0	0	0	0	0	0	1420
Fresh Kills Landfill Plant #1	0	0	0	0	0	0	0	361
Fresh Kills Landfill Plant #2	13	11	5	10	0	407	446	1093
Islip Multipurpose Recycling Facility	0	0	0	2	1	114	117	217
Jacob Riis Park, Queens, NY	0	14	10	0	0	428	452	1811
Nickerson Park	8	77	58	47	0	6399	6589	14709
Patchogue WWTP	0	6	0	0	0	75	81	305
Patchogue WWTP (Mastic Beach)	0	0	0	0	0	0	0	92
Riverhead Collection Area	0	0	0	0	0	0	0	12
Venetian Shores Park	0	8	0	4	1	324	337	2620
Daily Total	8124							
Cumulative Total	22742							

Cumulative Hazardous Waste Summary						Operational Period:		
11/15/2012								
Location	Drums	Propane Tanks	Cylinders	Containers (6-54 Gal)	Other (Large)	Small Containers (<5 gal)	Op-Period Totals	State Cumulative
New York	21	119	75	63	2	7844	8124	22742
New Jersey	0	0	0	0	0	0	0	24
Op-Period Totals	21	119	75	63	2	7844	8124	-
Cumulative Totals	93	370	278	187	68	21770	-	-
Grand Total	8124	-	-	-	-	-	-	-
Grand Cumulative	22766							

NIGHT OPERATIONS

The Situation Report was sent at 23:30.

REGULATED FACILITIES

A spreadsheet has been developed to track the status of facilities possibly impacted by Hurricane Sandy. This information includes facility contact person information, latitude and longitude, and description of release circumstances and cleanup efforts, and whether any EPA assistance is requested. The marker for EPA assistance is whether a regulated substance has been released into navigable waters and/or the environment.

The following table summarizes phone calls and emails in targeted impacted areas of New Jersey and New York.

Regulatory Program	Number of Facilities Contacted	Number of Facilities Reached	Report of Facility Releases
FRP	67	63	4
RMP	30	28	0
SPCC, Marinas, & Other Oil	265	255	0
Total	362	346	4

The four FRP facilities that reported releases are the Kinder Morgan Carteret Terminal, Phillips 66 Bayway, EH Werner, and the Motiva Sewaren facility. These sites are actively addressed with NJDEP and USCG. An OSC has visited Phillips 66 Bayway and Motiva Sewaren to monitor cleanup efforts and provide assistance.

In addition to an email distribution by the New York Marine Trades Association and Marine Trades Association of New Jersey to over 425 members, the Region is actively involved in contacting and reaching potentially impacted marinas via telephone and emails. Marinas are being reminded to contact the NRC to report spills, sheens, and lost oil tanks and containers. The Region is evaluating all marinas damage assessment responses in order to determine appropriate follow-up.

Damage assessment results have been received, via email, by most registered RMP and FRP facilities in New Jersey and New York. The Region is evaluating all damage assessment responses in order to determine appropriate follow-up.

Compliance assistance concerns are being actively addressed for RMP, FRP, SPCC, Marinas, and Other Oil facilities.

RCRA Corrective Action Sites

State/County	Facilities	Facilities Contacted by EPA or State	Facilities Visited by EPA	Issues Reported by Facility, State or EPA
New Jersey (1A) – Middlesex, Monmouth, Union, Passaic, Somerset, Hudson, Bergen, and Essex Counties	55	49	3	9
New Jersey (1B) – storm surge areas in Salem, Burlington, Gloucester, and Camden Counties	17	15	0	0
New Jersey (2) – facilities in other counties/non-storm surge areas	34	32	0	0
New Jersey Totals	106	96	3	9
New York Totals - All NYC, Nassau, Suffolk, Westchester, and Rockland Counties	37	30	19	3

CASD deployed 2 teams (2 corrective action project managers per team) to assess up to 18 targeted facilities in Kings, Queens, Nassau, Westchester and Rockland counties. Today the teams reported back their assessments of 14 additional facilities since yesterday's report: Safety-Kleen Congers (Rockland), Wyeth Pharmaceuticals (Rockland), Duracell (Westchester), Entergy Indian Point 2 (Westchester), Entergy Indian Point 3 (Westchester), IBM Eastview (Westchester), IBM T.J. Watson (Westchester) NDL (Westchester), Safety-Kleen Thornwood (Westchester) Edmos (Nassau), Hazardous Waste Disposal (Nassau), Marlborough Press (Nassau), Preco Industries (Nassau) and Republic Environmental (Nassau). No issues were reported for these facilities, and both teams completed their targeted visits over a two-day period. Tomorrow a team will be deployed to assess up to 9 targeted facilities in Suffolk County.

CASD is on standby to deploy three teams (2 corrective action project managers per team) to assess up to 29 targeted facilities in Passaic, Bergen, Essex, Hudson, Union, Middlesex and Monmouth counties. CASD is awaiting feedback from the DRA regarding NJDEP's concurrence with EPA performing the assessments.

DECA Information for 11/15/12 Situation Report

Underground Storage Tanks:

Summary of DECA UST personnel in field on 11/15/12: Four teams deployed in NOAA surge zone of Suffolk County, NY County (EPA Zafonte/Guster, SAIC (Hahn/Peebles), (Browning/Whittum) (Robinson/Stewart). One Team deployed to the NOAA surge zone in Nassau County (Moy/Misluk). One team deployed to Westchester County NOAA surge zone (Sacker/Jamison, R2 GOV).

Summary of Site Assessments: Up to 11/14/12: Total of 199 UST assessments completed. 129 UST assessments are federally regulated UST facilities in Evacuation Zone A areas of Staten Island, Queens/Rockaways, Bronx, and Brooklyn/Coney Island; 50 assessments are federally regulated USTs at retail facilities in the storm surge zone of Nassau County; 20 assessments are federally regulated USTs at retail and non-retail facilities in the storm surge zone of Suffolk County; 5 assessments are > 50,000 gallon backup generator USTs on Staten Island and Lower Manhattan.

UST Site Assessments						
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CUMULATIVE		NYC	Nassau	Suffolk	Total	Major observations
Universe		138	63	61	262	Coney Island Hospital: Hospital registered USTs were sound. 1 UST registered to the hospital and operated by NYFD-EMT appears abandoned and unsecured with diesel fuel. Dispenser is locked. Staten Island Yacht Sales & Marina: USTs could not be located; dispensers destroyed. NYPD 60th Police Precinct 2951 W 8th Street, Brooklyn NY 11224: Facility heavily damaged and not operational. Recently installed USTs not assessed by operator, lowest priority for facility. Verizon Wireless 140 West St. Manhattan: basement with backup generator USTs flooded; release reported and responded to by NYSDEC. 55 Water St. Manhattan: basement with backup generator USTs flooded; release reported and responded to by NYSDEC. Oak Wood Beach STP, Staten Island: gasoline USTs not operational due to dispenser malfunction.
No Power		31	11	1	43	
Storm Damaged Facility		51	17	8	76	
Storm Damaged UST						
	Yes	16	1	3	20	
	Unknown	20	10	2	32	
Spills (all sources)		6	1	1	8	
Require Follow-up						
	Yes	34	12	3	49	
	Unknown	12	4	0	16	
	Total	46	16	3	65	
Total Assessed		129	50	20	199	

Preliminary Data Undergoing QA review

*NYC Evacuation Zone A registered federally regulated USTs, Nassau County retail USTs in storm surge zone, and Suffolk County Storm Surge federally regulated USTs. Universe expands as targeted areas area added.

** Additional facilities encountered in the field that were not on NYSDEC master list of registered federally regulated USTs

NJDEP reported the following UST Activities for Northern Region.

Total # Facilities 113 Site visits – 12 were follow ups - 101 Individual sites					
Total Needing Assistance					
Total Not Operating		Operating on Grid		Operating on Generator	
50		47		4	
Flooded	27	Flooded	11	Flooded	0
No Power	23	No Power		No Power	
Flooded tanks 3 sites had water in UST					

NJDEP also reported that in Ocean County, 62 site visits were performed and 33 facilities were not operating due to power loss

Large Quantity Generators (LQG):

Summary of DECA LQG personnel in field on 11/15/12: 6 inspectors total in the field. Team 1: Abdool Jabar and Sam Kerns. Team 2: Meghan LaReau and John Wilk. Team 3: Carl Plossl and Norman Rost.

Summary of LQG Site Assessments: Up through 11/14/12:

State	Universe	Visited	Reached via phone	Problems
NY	129*	26	5	2
NJ	404	0	8	1

*EPA will inspect 68 facilities. The remaining 61 facilities to be addressed by NYSDEC.

Identified Problems:

1. Kinder Morgan Liquid Terminals, 4101 Arthur Kill Road, Staten Island

Four 55-gallon drums of waste lost. (one of which was D001/D018 hazardous waste - solvent soaked rags, the other three were non-hazardous well purge water) Facility unsure of whether this was reported to the spill response center - we have reported this to the EPA incident command. Also lost 15 5-gallon pails of unknown product, some but not all of which were recovered. Wilfredo Palamino was also present at the site for corrective action assessment. Facility also lost hazardous waste documents.

2. Kinder Morgan, Carteret, NJ

Facility not visited but EPA inspector was informed that several large tanks had floated up, were damaged and had released their contents.

3. New York University – Hospitals Center and School of Medicine, NYC

Cellar and basement flooded. EPA unable to complete assessment of basement hazardous waste storage area. Oil spill from 6,000 gallon fuel oil tank was reported to the NY State Hotline (report# 1208025).

4. Forsythe Cosmetics, Freeport, NY

Approximately 50 Gallons of nail polish was released to secondary containment in an explosion proof storage room and subsequently cleaned and manifested off-site as hazardous waste. Fire Marshall inspected before and after. Facility will call NY Spill Hotline per EPA direction to see if they will issue a spill number.

Summary of Pesticide Producing Manufacturers Assessments: Up to noon 11/15/12

State	Universe	Contacted via Phone	Reached via Phone	Problems
NY	85	85	74	0
NJ	187	186	133	1
Total	272	271	207	1

Identified Problem:

Company: Mid Continent Packaging/Alden Leeds located at 55 Jacobus Ave, Kearney, NJ; telephone 973-589-3544, contact Mark Epstein, VP Operations. They manufacture pool chemicals. As a result of fire and storm surge from hurricane, they have several hundred tons of pool chemicals that are contaminated. They contacted Hadar Camargo of the NJDEP/OEM. Mr. Epstein requested federal assistance since the chemicals are unsecured.

Air Major Facilities in NY:

Summary of DECA Air personnel in field on 11/15/12: 8 air inspectors total in field. Team 1: Mozafar Ghaffari and Chao Leung. Team 2: Mike Mallner and Aisha Sexton-Sims. Team 3: Steve Carrea and Ralph Lonergan. Team 4: Daniel Manasia. Team 5: Phil Ritz.

Summary of Air Facility Assessments: Up through 11/14/12:

State	Universe	Visited	Problems
NY	200*	12	

*Universe increased to include additional facilities. Original universe of 39 was Evacuation Zone A.

Identified Problem: Although no air emission issues found, the following problems were identified:

1. Brooklyn Navy Yard Cogen Plant—although no air emission issues identified, the facility's CEMS, circuit breakers, etc. are being evaluated due to flood damage. Plant was placed offline before the storm, and does not plan to come back online until next year.
2. Gowanus Generating Station—Facility has been offline since the hurricane. The facility experienced a small diesel fuel leak (estimated 20 gallons). Most was recovered with an oil spill containment boom. The administrative office flooded.
3. Pratt Paper on Staten Island—The facility suffered physical and electrical damages. The facility's substation received the most damage. 150 motors, 65 pumps, and 100 electrical controllers have been replaced, allowing to the facility to operate at 75% capacity.
4. Metro Terminal—The office of this terminal was flooded during the storm and more than 3 feet of water contaminated with raw sewage entered the office and damaged computers and other electronic instruments. This terminal is now ready to receive gasoline from the pipeline and soon will be able to load up the trucks with gasoline. Facility lost some environmental records.
5. Carbo Industries Inc.—Water collected between the concrete and tank wall. The pumps were under water and had to be repaired before use. NYSDEC issued a NAA for the TV for a few weeks.

Summary of PCB Facility Assessments:

NY Reported Transformer Releases* In the Affect AreaOct. 29, 2012 – Nov. 12, 2012 *Due to ongoing emergency response operations at the utilities, they will not be contacted until power restoration is complete.				
NYSDEC Spill Incidents Database				
	Universe*	Positive for PCBs	Negative for PCBs	Unknown for PCBs
TOTAL	>577	0	0	>577
Bronx	12			
Brooklyn	13			
Manhattan	20Incl. substation release of 1,300			

	gals.			
Queens	22			
Staten Island	37Incl. substation release of 1,000 gals.			
Nassau	69			
Rockland	75			
Suffolk	22			
Westchester	292			
Address unknown	15			

* There were several entries which stated that multiple poles/transformers were involved.

NRC Incident Database

	Universe	Positive for PCBs	Negative for PCBs	Unknown for PCBs
TOTAL	79	2	6	71
Bronx	3			3
Brooklyn	4	1*		3
Manhattan	1			1
Queens	8		2	6
Staten Island	7			7
Nassau	9	1^		8
Rockland	6		1	5
Suffolk	2		1	1
Westchester	39		2	37

* A caller stated that apx. 50 gals. of an unknown oil with a high PCB content was discovered in a manhole. Caller stated that the PCB content was 11,120 ppm.

^ A caller stated that a transformer fell in their yard and discharged an unknown amount of transformer oil. Caller stated that the public utility service stated that they would not touch the oil because it contained PCB content.

A previous report identified 5 gals of oil containing PCBs from a pole transformer owned by NYS Electric and Gas Company. The release occurred in Rensselaer County and is not in the storm affected area.

NJ Reported Transformer Releases*#			
Universe	Confirmed PCB Release	Unknown for PCBs	Non-PCB
72	2	36	34
*Due to ongoing emergency response operations at the utilities, they will not be contacted until power restoration is complete.			
#We are attempting to gain access to NJDEP's internal RTK database so that we can update this information.			

Registered PCB Storage and Treatment Facilities in the Impacted Area				
	Universe	Contacted	Reached*	Release
NJ	10 storage facilities	10	4	No
NJ	1 disposal facility	1	1	No
NY	5 storage facilities	5	2	No
* We are continuing to contact facilities by telephone and will make a site visit to any facility not reached by telephone.				

NY and NJ Ambient Air Monitoring Stations

NY and NJ ambient air monitoring networks were assessed today. Overall, New York's network is fully operational throughout the 9 county area with the exception of the PAH sampler at IS 52 in the Bronx. New Jersey's network is in operation, with the following exceptions:

1. Bayonne (NO2, O3, SO2) – trailer damaged, station is down indefinitely until trailer is replaced.
2. Atlantic City (PM2.5 FRM) – no power. Power might be restored next week.
3. Colliers Mills (seasonal O3) – power restored but PC crashed. PC will be replaced by next week.
4. New Brunswick (continuous PM2.5 by TEOM) – power restored but PC crashed. Will try to replace PC 11/15/12.

SUPERFUND ASSESSMENTS

Assessments at EPA Superfund Sites were requested by State and County representatives to determine any potential threats caused as a result of Hurricane Sandy. Some facilities were noted to have structural damage as a result of the Hurricane. However, it is the potential impact to the health of residents in the community that is the greater concern. Response actions are being and will be taken to mitigate and prevent any identified release or public health threats.

Superfund Site Assessments				
	Within Declared Counties	Assessed	Pending	Posing Potential Threat
Remedial Sites				
New Jersey	114 (including 3 proposed)	110	0	1
New York	28 (0 proposed)*	28	0	0
Removal Sites				
New Jersey	83	83	0	0
New York	22	22	0	0

*All sites have been assessed by RPMs and/or OSCs. The Raritan Bay Slag Site is the only site posing a potential threat. Information regarding the status of this site is reported below. Following this operational period, Superfund Site Assessments will no longer be incorporated into the Situation Report.

Raritan Bay Slag (NJ)

Analytical data has been received regarding samples collected following impacts from Hurricane Sandy. Public Affairs and the Environmental Unit generated maps detailing locations and results of samples. A public meeting was held in the last operational period and attended by EPA OSCs in the Removal Program. EPA is coordinating with FEMA to address the concerns at this site, including funding mechanisms to provide site stabilization needs.

2.2 Planning Section

PLANNING

The Planning Section continues to organize operational status reports, plan for the next operational period, and assist with needs in support of operations. The utilization of FlexViewer continues to grow as more regulatory programs commence and continue assessments. EPA personnel working in various regional offices are able to view data, generate maps, and become aware of the Common Operating Picture. ASPECT imagery has been uploaded and is being used to determine additional areas of assessment for drinking water facilities, wastewater facilities, HHW reconnaissance points, orphaned container recovery efforts, location of EOCs, potential staging areas, etc. This imagery will also be used when assessments to determine changes of the NJ and NY coast lines commence.

The Environmental Unit reports that:

(1) The data from the 11/9/12 sampling at Newton Creek has been approved for release to the public by HQ. PIO planning to post this afternoon to epa.gov/sandy.

(2) Ambient Water Sampling

- Data from the Tuesday 11/13 sampling at Newark Bay/NY Harbor from the vessel Clean Waters has been provided to the PIO. Fecal coliform remains above applicable criteria at all stations.
- Sampling completed on Wed 11/14/12 at 12 locations throughout the Raritan River/Upper Raritan Bay as well as 2 locations near the MCUA effluent discharge point for the presence of fecal coliform in estuarine/river waters potentially impacted by the MCUA WWTP discharge. Data pending.
- Nassau County Bay Park sampling commenced Thursday 11/15/12 at 11 locations in East Rockaway and Reynolds Channel areas, as well as near the WWTP effluent discharge point for the presence of fecal coliform and dissolved oxygen in surface water potentially impacted by plant discharge. Data pending.
- Westchester Yonkers Joint WWTP sampling planned for Friday 11/16/12 at 7 locations in the adjacent Hudson River (3 upstream/3downstream/1 at effluent discharge point) for the presence of fecal coliform and dissolved oxygen in the river water potentially impacted by plant discharge.

(3) At PVSC, the first 24 hour real time air monitoring period at the facility for hydrogen sulfide presence began on Wed evening 11/14/12. No exceedences reported, however, the dewatering operation did not occur. The centrifuges are expected to be operational on Saturday, 11/17/12.

(4) Sand sampling at Riis Park in Queens, NY, is planned for Friday 11/16/12 to determine compliance with NYSDEC unrestricted use clean up objectives. The sand is being considered for beneficial re-use as cover at the Mariner's Marsh Park Brownfields site on Richmond Terrace in Staten Island.

2.3 Logistics Section

Logistics

The large PPE order arrived today and was unloaded, some items were delivered and the rest will be staged in the warehouse. The lodging situation has stabilized overall and some of the hotels in the Edison area have begun opening up allowing for easier placement of incoming EPA employees.

2.4 Finance Section

FINANCE

EPA continues to track costs and monitor funding levels against FEMA Mission Assignments. Current Mission Assignments and Estimated Expenditures and Daily Cost Burn as of 11/15/2012 @ 1330 hours;

Region, State	Agreement #	Agreement Date	Agreement Amount	Costs Incurred To Date	Estimated Burn Rate (\$/day)	Purpose
Region 2, New Jersey	4086DR-NJ-EPA-01 Expires 12/10/12	10/30/2012	\$300,000.00	\$269,901.32	\$16,868.83	ESF-10 EOC deployment and assessment assistance in NJ
Region 2, New Jersey	4086DR-NJ-EPA-02 Expires 12/01/12	11/1/2012	\$300,000.00	\$267,681.23	\$19,120.09	Drinking & Wastewater Assistance
Region 2, New Jersey	4086DR-NJ-EPA-03 Expires 11/30/12	11/2/2012	\$1,000,000.00	\$78,790.96	\$6,060.84	Technical Assistance for Environmental Assessments
Region	4086DR-NJ-	11/2/2012	\$3,500,000.00	\$283,534.55	\$21,810.35	Direct Federal

2 New Jersey	EPA-04 Expires 03/02/12					Assistance for oil/hazmat field ops	
Region 2 New Jersey	4086DR-NJ-EPA-05 Expires 12/08/12	11/08/2012	\$1,000,000.00	\$194,920.33	\$10,258.96	REOC	
Region 2 New York	4085DR-NY-EPA-02 Expires 11/10/12	10/30/2012	\$400,000.00	\$588,897.94	\$36,806.12	ESF-10 EOC deployment and assessment assistance in NY	
Region 2 New York	4085DR-NY-EPA-01 Expires 12/01/12	11/1/2012	\$300,000.00	\$124,821.40	\$8,915.81	Drinking & Wastewater Assistance	
Region 2 New York	4085DR-NY-EPA-04 12/04/12	11/4/2012	\$500,000.00	\$125,364.63	\$11,396.78	Technical Assistance for Environmental Assessments	
Region 2 New York	4085DR-NY-EPA-03 12/01/12	11/2/2012	\$1,500,000.00	\$933,367.84	\$71,797.53	Direct Federal Assistance for oil/hazmat field ops	
Region 2 New York	MA# Unknown/Verbal MA Pending	NA	\$75,000.00	\$9,010.00	\$474.21	Dewatering Ops	
			\$8,880,000.00	\$2,880,528.79	\$151,606.78		
Reconfirmation of MA Funding Obligations Necessary (Ceiling increase or separate funding streams)							

2.5 Other Command Staff

2.5.1 Safety Officer

ASO's visited the Blue Claws Minor League Baseball Stadium parking lot in Lakewood, NJ, the new location for the Ocean County orphan container staging area. An ASO is visiting the PVSC to provide safety support to the power washing operation, which is being conducted at night. Deputy SO attended the All Agency Safety Meeting at the NJ JFO. Field safety support between agencies was discussed. FEMA is planning for weekly Safety meetings on Mondays and Thursdays at 10 AM. Safety will plan to attend. Deputy SO had a conversation with FEMA following the JFO safety meeting about housing responders on the MARAD berthing vessels.

2.5.2 Liaison Officer

Steve Touw is currently serving as the ESF-10 rep at the NJ JFO in Middletown, NJ. Carl Pellegrino will transition into the position on 11/16.

The NJ JFO ESF-10 rep pursued the final approval of increases to EPA's mission assignments for drinking/waste water assessments, and oil/hazmat assessments. Final, IFMIS-stamped copies of the MA amendments are expected in the next operational period.

The ARF to increase funding on NJ-EPA-01 was still in the ARF system awaiting approval. It was highlighted for action, and will be tracked as it makes its way into the MA approval process.

EPA continued to participate in Unified Command with USCG on Staten Island. EPA contractors continued to support shoreline assessments with USCG personnel for HHW, orphan containers and oily material.

2.5.3 Information Officer

The PIO is Pat Seppi and can be reached at 646.369.0068. Press inquiries today included a request from Reuters with many questions. Our responses are in HQ. Also, there was a press event at the PVSC which was well attended by the press, including the Record, Newark Star Ledger, News 12, Brian Thompson from NBC and Radio station 880. Participants at the event, in addition to EPA, included PVSC, DEP reps, COE reps. Congressional inquiries were received today from Cong. Schumer's office related to Bay Park. We also reached out to Senators, Congresswoman, the City council, the boro president and they were given the data and message for Newtown Creek.

Outreach - 3 teams went out to Suffolk County and 2 teams will be returning tomorrow. 1 CIC will be going out with the DESA sampling team to Rockaway and another CIC will be going out with a NJ OPs assessment team to Ocean City.

We have approval on two more fact sheets - lead and sewage and are awaiting the asbestos one.

3. Participating Entities

3.1 Unified Command

Unified Command has been established in Staten Island with the United States Coast Guard Sector New York. Mission Assignments have been issued to USCG for assessment and mitigation along the shores of Staten Island. USCG is focused on conducting shoreline assessments and has requested EPA contractor support to assist in these investigations. EPA has a seat with the UC and is coordinating activities associated with very specific Mission Assignments. EPA is also coordinating efforts to have interior areas that may have also been impacted as a result of storm surge and high winds.

3.2 Cooperating Agencies

EPA is coordinating with a host of agencies on numerous efforts to assess, respond, recover, and mitigate environmental threats caused by Hurricane Sandy. Federal partners include FEMA, Army Corp. of Engineers, USCG, NOAA, and others. State agencies that EPA is coordinating efforts with include Departments of Health, Transportation, Sanitation, Parks, NYSDC, NJDEP, Emergency Management, and others. County and local officials are also integrated in decision making and tactical assessments of situations.

4. Personnel On Site

Region/State	Current EPA Personnel In Field (All Venues other than EPA Offices)	Current EPA Contractor Personnel In Field	EPA Personnel in REOC	Contractor Personnel in REOC	Total
Region 2			70	38	108
New York	30	120			150
New Jersey	27	29			56
Total	57	149	70	38	314

Number of EPA Personnel Deployed to Region 2 - Hurricane Sandy
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	OSCs	RMs	PIOs	Water Specialists	GIS Specialists	RPMs	CICs	Other (field capable)	Other (not field capable)	Total by Region
Region 1	5	0	0	0	0	0	1	0	0	6
Region 3	5	0	0	0	1	0	0	0	1	7
Region 4	1	0	0	0	0	0	0	0	0	1
Region 5	0	0	0	0	0	0	0	0	0	0
Region 6	0	0	0	0	0	0	0	2	0	2
Region 7	1	0	0	0	0	0	0	0	0	1
Region 8	0	0	0	0	0	0	0	0	0	0
Region 9	0	0	0	0	0	0	0	0	0	0
Region 10	1	0	0	0	0	0	0	0	1	2
HQ	0	0	0	0	0	0	0	0	0	0
Special Teams	0	0	0	0	1	0	0	5	1	7
Total by job title	13	0	0	0	2	0	1	7	3	26

5. Definition of Terms

Definition of Terms

Assisting and Cooperating Agencies - Agencies who are assisting the EPA response, but are not a part of Unified Command.

E Goods - Electronic machines which contain hazardous components. Emergency Response - any activity undertaken by the Operations Section which mitigated an immediate threat to human health or the environment.

FRP - Facility Response Plan. Under the Clean Water Act, as amended by the Oil Pollution Act, a plan for responding, to the maximum extent practicable, to a worst case discharge, and to a substantial threat of such a discharge, of oil. Required by certain facilities that store and use large quantities of oil.

Household Hazardous Waste - Small quantity waste from households that contain corrosive, toxic, ignitable, or reactive ingredients is hazardous. This includes pesticides, paint, solvents, etc.

Hazardous Debris - Debris which contains compounds that make it inappropriate for municipal landfill disposal

Monitoring - Using equipment which will give limited real-time information about constituents in environmental media. This method is used most often for air and water testing.

RCRA - Resource Conservation and Recovery Act.

RMP- Risk Management Plan. Under the Clean Air Act, certain facilities with large quantities of toxic potentially air born chemicals whose releases may impact human populations are required to submit to EPA a plan for hazard assessment, prevention, and emergency response.

Sampling -The process of taking environmental media for analysis at a laboratory of its constituents. These tests may require multiple days to complete, but test for a wider array of constituents than monitors.

Small Container - any container with a potential capacity of less than 5 gallons.

TRI - Toxic Release Inventory - A publicly available EPA database that contains information on toxic chemical releases and other waste management activities reported annually by certain covered industry groups as well as federal facilities. This inventory was established under the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA) and expanded by the Pollution Prevention Act of 1990.

Unified Command - A structure based on the Incident Command System (ICS) that brings together the Incident Commanders of all major organizations involved in the incident in order to coordinate an effective response, while at the same time allowing each to carry out their own jurisdictional, legal, and functional responsibilities.

White Goods - Large home electronics such as refrigerators, washing machines, and dryers.

WW - Wastewater Treatment Facilities

6. Additional sources of information

Drinking Water and Wastewater Facility Status – See today's Tables for a snapshot of facility status. The Situation Report issued overnight will include the narrative from the OSC reports today.

NJ Drinking Water Facilities

Summary – The universe of community systems is 612, serving a population of 9 million. A community drinking water system is a public water system that provides drinking water year-round. Thirty-three systems are currently impacted (the system has not resumed normal operations as determined by the state). Thirteen systems have issued boil water advisories. These include 2 summer vacation communities and several barrier beach communities in Brick and Dover Townships. Eighteen systems are on generators; the power systems are unknown for the systems that have boil water advisories.

NJ Wastewater Treatment Plan

Summary – (*no change*) The universe of wastewater treatment plants is 179. Thirty are currently impacted. Based on information provided by NJDEP, all of these are operational; 11 are on generators. Two facilities are bypassing or not providing full secondary treatment.

Middlesex County Utility Authority (MCUA) – The plant is on the grid and currently treating ~72.5 million gallons per day (MGD) of wastewater from the South Amboy pump station (1.5 MGD), Sayreville Pump Station (50 MGD), and the Edison Pump Station (21 MGD). MCUA provides updates on the status of its facilities at www.mcua.com.

Sayreville Pump Station Status: (*no change*) The station now has the capacity to pump average dry weather flow, although at peak use times it is still discharging a much smaller amount of raw sewage. By the end of the week it expects to have one more pump, raising its capacity to 70-75 MGD. MCUA estimates that by 11/23 it should have sufficient pump station capacity to eliminate temporary pumps. Note that although the metal gates at the boat ramp closest to the pump station have been closed, limiting public access to the water, the EPA OSC and Juan Ibarra (Region 6) do not feel that there has been enough public outreach of the potential impacts of the discharged sewage. On 11/14, EPA sampled for fecal coliform and dissolved oxygen at locations near the pump station discharge as well as upstream and downstream of the discharge.

EPA, through its new Mission Assignment task order and in coordination with MCUA, is beginning to clean the pump rooms, screen rooms, control rooms and mechanical rooms that were flooded at the Sayreville Pump Station. This will assist MCUA to meet or accelerate its schedule to increase pumping capacity at the station and meet its primary objective of eliminating the need to discharge to tributaries of the Raritan River.

Edison Pump Station Status: (*no change*) The station is designed to pump for 90 MGD and had 5 pumps. The station has temporary pumps in place to send 20 MGD to the plant, sufficient for all dry weather flow. During a wet weather event, under current bypass pumping, this station will not be able to handle all combined sewage and will overflow several manholes upstream of the station, resulting in discharges to Red Root Creek, a small tributary to the Raritan River. By the end of the week, the plan is to have the 30 MGD pump back in place.

Passaic Valley Sewerage Commission (PVSC) – The design flow is 330 MGD. Wastewater is moving through the plant, but receiving primary treatment and some disinfection. PVSC is discharging chlorinated wastewater from the site into New York Harbor. Total suspended solids (TSS) in excess of permitted limits continue to be discharged into New York Harbor and will dissipate once processes to handle the sludge are put into place.

Operational status: Grit tanks (before the primary clarifiers) are still not operating. Ten primary clarifiers should be operational by today (11/15) as the motor control centers did not arrive in time for installation yesterday. PVSC also stated that 7 secondary clarifiers are currently operating. All 12 oxygen tanks are now on line. On 11/16, 20 truckloads (100,000 gallons) of MCUA seed sludge will be brought to PVSC and placed into the Return Activated Sludge wet well. PVSC estimates that once it seeds the Return Activated Sludge wet well, it will take two weeks to establish full effectiveness of secondary treatment.

Sludge removal status: Sludge removal remains the biggest issue that must be resolved as soon as possible. Two Zimpro dewatering units are expected to start up on 11/16 (were to start up yesterday) with 2 more units up and running by 11/17. The first of 10 Synagro mobile centrifuges will start up today (was to start up yesterday). Seven additional mobile centrifuges are at the facility. PVSC expects its 3 centrifuge units to be on line by the end of next week. The mobile dewatering centrifuges are expected to operate for a period of 2-3 weeks during which time PVSC will repair and re-energize its in-house centrifuges and Zimpro dewatering systems.

Six hydrogen sulfide (H₂S) monitors are at the plant perimeter and 4 are in neighboring communities.

The perimeter air monitoring stations record potential fugitive H₂S emissions during centrifugal dewatering operations. Today there was a slight detection at the plant; EPA is on site with a mobile monitoring unit to determine the source. All air monitoring results will be forwarded to NJDEP for public dissemination.

NY Drinking Water Facilities

Summary – The universe of community systems is 191, serving a population of 12 million. Twelve are currently impacted (the systems have not resumed normal operations as determined by the state). Nine systems have issued boil water or do not use advisories. Two systems have a water outage, serving over 4,000 people in Nassau County. Currently, no systems are on generators.

NY Wastewater Treatment Plants

Summary – The universe of wastewater treatment plants in the declared area is 83. Twelve are currently impacted. Ten are on generators. Five are bypassing or not providing full secondary treatment.

NY Wastewater Plants of Greatest Concern – The wastewater treatment plants in New York State that are of greatest concern are Bay Park (Nassau County), Rockaway (Queens County), and Yonkers Joint Wastewater Treatment Plant (Westchester County). Ocean Beach (Fire Island, Suffolk County) is also a concern, but the community is sparsely populated this time of year. Also according to NYSDEC, two other plants in Westchester (Yorktown Heights and Port Chester) are not on the grid; once power is restored, the plants will resume normal operations. EPA assessment summaries are provided, below:

Rockaway (Queens County) – EPA staff visited NYCDEP's Rockaway plant today. It suffered significant damage but we confirmed that it is on the grid and that secondary treatment was back up and running on 11/11. The plant's wet weather capacity is now at approximately 72 MGD (design average dry weather flow capacity is 45 MGD).

Yonkers Joint WWTP (Westchester County) – EPA staff visited the facility today. It suffered significant damage but progress is being made. The plant is on grid power and has been completely dewatered. All pumps have been sent out for repair and returned. All components of plant are working and there are no issues with sludge removal. The secondary tanks were completely flooded so bugs need to be re-seeded to get secondary treatment working effectively. So while secondary treatment is working it will take time to achieve full effectiveness.

Bay Park (Nassau County) - EPA staff visited the Bay Park Sewage Treatment Plant yesterday 11/14). It suffered significant damage but progress is being made. The facility is still not on grid power, but generators and fuel are sufficient to meet current needs.

- All flow (approximately 45 – 47 MGD) is going through the plant. Current level of treatment:
- All influent is still being pre-chlorinated.
- Of eight primary settling tanks, six are now in service; 2 more will be ready by Friday.
- All aeration tanks are available for operation.
- There is flow through eight of ten final settling tanks.
- Waste activated sludge pumps and return activated sludge pumps should be activated by end of this week or early next week.
- Effluent is being disinfected with hypochlorite (manual dosing).

Unlike other plants we have seen, it appears that the activated sludge process should work fine once the pumps are running, with no need to re-seed sludge because the secondary tanks were not completely flooded.

Drinking Water – New Jersey – Current as of 11/15		Population Served
Total # Community Water Systems = 612		9,000,000
EPA Assessed (cumulative) = 40		547,573
Total Currently Impacted* = 33		n/a
Off Grid: Generator = 18	Off Grid: No Power = 0	n/a
Boil Water Advisories = 13		10,725 + unknown population on the barrier island portion of Brick and Dover Township; Ortley Beach and Pelican Island.
Do Not Use = 0		0
Water Outage = 0		0

Drinking Water – New York – Current as of 11/15		Population Served
Total # Community Water Systems = 191		12,000,000
EPA Assessed (cumulative) = 40		1,535,727
Total Currently Impacted* = 12		n/a
Off Grid: Generator = 0	Off Grid: No Power = 0	n/a
Boil Water Advisories = 8		4,678
Do Not Use = 1		1,800 homes in Breezy Point, Queens
Water Outage = 2		80 homes - Center Island, Nassau County 4,000 people - Lido Beach, Nassau County

Wastewater Treatment Plants –New Jersey–Current as of 11/15		Population Served
Total # Wastewater Treatment Plants = 179		n/a

EPA Assessed (cumulative) = 23	n/a
Total Currently Impacted* = 30	n/a
Off Grid: Generator = 11	Off Grid: No Power = 0
Bypassing or not providing full secondary treatment = 2	n/a

Wastewater Treatment Plants –New York State–Current as of 11/15		Population Served
Total # Wastewater Treatment Plants = 83		n/a
EPA Assessed (cumulative) = 12		n/a
Total Currently Impacted* = 12		n/a
Off Grid: Generator = 10	Off Grid: No Power = 0	n/a
Bypassing or not providing full secondary treatment = 5		n/a

* - Total Currently Impacted – System has not resumed normal operations as determined by the State.

ADDITIONAL INFORMATION

WEBSITE: <http://www.epaosc.org/HurricaneSandy> WEBSITE:

WEBSITE:

INSTRUCTIONS FOR EPAOSC.NET:

If you do not have a password or have never used the EPAOSC.net website before, you will need to click the login button on the top right of the web page. Once on the login page, you will need to click on REGISTER HERE, provide the information requested and submit. This submits your request to ERT, and they will generate a user ID and password for you to enter the private side of the Website. In less than 10 minutes after registering, you should receive an e-mail from ERT SUPPORT providing the information (login and password). At this point you can then enter the website: www.epaosc.net, click on log in, then enter your information. Once logged in, click on websites, then click on Region 2. The Hurricane Irene website should be one of the first ten websites that pop up, if not, you can scroll down to find the site. Click on Hurricane Sandy. Once on the site, you can navigate to the documents that will be stored there.

FlexViewer :

WEBSITE: http://www.epa.gov/geospatial/ermaps/Region2_HurricaneSandy/

The EPA Region 2 Common Operating Picture is now available on FlexViewer. This interactive display is constant being updated with various information pertaining to assessments, resource locations, EOC locations, status of remedial/removal sites, water treatment facility locations, and many other. Individuals located within the EPA network may view the display and create their own maps, however the COP located in the Situation Unit adjusts to the needs of the operations.

If you find that you are having trouble viewing the website, please contact the EPA duty officer at (732) 906-6850

EPA Edison REOC

732-906-6850

Afterhours Notifications, National Response Center (NRC)	800-424-8802
Deputy Regional Incident Commander (DRIC) for NY, Neil Norrell	908-420-4512
Deputy Regional Incident Commander (DRIC) for NY, Anne Kelly	212-637-4397
Deputy Regional Incident Commander (DRIC) for NJ, Christopher Jimenez	908-420-4484
Deputy Regional Incident Commander (DRIC) for NJ, Laura Casillas	215-779-4898
FEMA IMAT (Albany), Michael Solecki, OSC	908-420-4501

NJ EOC (Trenton), Carl Pellegrino, OSC	908- 420-4491
FEMA RRCC(Colts Neck), Steve Touw, OSC	908-420-4458
NYC OEM (Brooklyn), Margaret Chong, OSC	908-420-4477
UC USCG (Staten Island), Ellen Banner	908-420-4462

REPORTING SCHEDULE

Situation Reports are due out at 2300 hrs at the conclusion of that operational day.

Situation Reports for response activities in New Jersey and New York associated with Hurricane Sandy can be found at www.epaosc.org/HurricaneSandy.

7. Situational Reference Materials

Situation Reports for response activities in New Jersey and New York associated with Hurricane Sandy can be found at www.epaosc.org/HurricaneSandy.